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### TESTING, INSPECTION AND OBSERVATION PROGRAM – 2001 CALIFORNIA BUILDING STANDARDS CODES - OSHPD 1

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This program is prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for general acute-care hospitals and acute psychiatric hospitals. OSHPD 1 projects also include construction and remodel of skilled nursing facilities and/or intermediate care facilities except those of single-story, Type V, wood or light steel-frame construction.

<b>A</b>	Facility Name	Project Number
	Address – Street	Sub Number
	City	Facility ID Number
	Title of Project	

<b>B</b>	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Compact fill CBC 3301.1 Filled material acceptance test				DSE:
	Compact fill CBC 3301.1 Compaction test				DSE:
	Concrete CBC 1903A.1.2 , 1903A.2 & 1929A.1 Cement				DSE:
	Concrete CBC 1903A.1.2, 1903A.3.1 & 1903A.3.2.1 Aggregates/Reactive aggregates				DSE:
	Concrete CBC 1903A.1.2 & 1903A.6 Admixtures				DSE:
	Concrete CBC 1904A, 1905A.2.3 & 1905A.3 Mix design (Select method A, B or C)				DSE:
	Concrete CBC 1905A.6 Strength test				DSE:
	Concrete CBC 1903A.5 & 1929A.2 Metal reinforcement (incl. welded wire fabric)				DSE:
	Concrete CBC 1903A.5.5 & 1929A.3 Prestressing tendons and anchorage				DSE:
	Shotcrete CBC 1924A.5 Preconstruction test				DSE:
	Shotcrete CBC 1924A.10 Strength test				DSE:
	Shotcrete CBC 1924A.11.2 Core test				DSE:
	Masonry CBC 2102A.2 Material standards tests				DSE:
	Masonry CBC 2103A.3 Mortar proportion, Aggregates				DSE:
	Masonry CBC 2103A.4 Grout proportion, Aggregates				DSE:
	Masonry CBC 2103A.5 Additives				DSE:
	Masonry CBC 2105A.3.1 Core test				DSE:
	Masonry CBC 2105A.3.2, 3.3, 3.4 or (3.5) Compressive strength f'm test				DSE:
	Steel CBC 2203A.2 & 2231A.1 Structural steel & cold formed steel				DSE:
	Steel CBC 2231A.2 High strength bolts, nuts and washers				DSE:



Facility Name	Project Number	Sub Number
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	STRUCTURAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Steel CBC 2231A.3 End-welded studs				DSE:
	Steel CBC 2231A.7 Open web steel joists (Load Test)				DSE:
	Steel CBC 1703A Nondestructive weld test				DSE:
	Steel CBC 2214A.5.1.2 SMRF connection strengths				DSE:
	Miscellaneous CBC 1923A.3.5 Expansion and epoxy anchors				DSE:
	Miscellaneous CBC 1605A.4 Shot-in anchors for ceiling wires				DSE:
	Miscellaneous CBC 1403A.5.6 Veneer bond strength test				DSE:
	Miscellaneous CBC 1704A Prefabricated items				DSE:
	Miscellaneous CBC 1605A.4 Epoxy injection				DSE:
	Structural Design Requirements 1605A.4 Tests to Support Alternative Designs				DSE:
	Base Isolation CBC 1665A Isolator unit prototype & production testing				DSE:
	ELECTRICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Ground fault protection CEC 230-95c & 517-17c Performance test				ACO:
	Emergency power CEC 700-4a Power failure test NFPA 110-1996 5-13.2.3				FLSO:
	Emergency power CEC 700-4a Full load test NFPA 110-1996 5-13.2.5				FLSO:
	Emergency power CEC 700-4a Cycle crank test NFPA 110-1996 5-13.2.8				FLSO:
	Emergency power CEC 700-4a Exit signs, exit lighting & fire alarms NFPA 110-1996 5-13.2.3				FLSO:
	Emergency power CEC 700-4a Task lighting, medical gas alarms NFPA 110-1996 5-13.2.3				ACO:
	Emergency power CEC 700-4a Receptacle, nurse & staff call NFPA 110-1996 5-13.2.3				ACO:
	Emergency power CEC 700-4a Elevators NFPA 110-1996 5-13.2.3				ACO:
	MECHANICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Commercial kitchen hood ventilation CMC 509.11 Performance test				ACO:
	Refrigeration equip. CMC 116.3 & 1123.0				ACO:
	Refrigeration detection & alarm system CMC 1121.4 & CFC 6313.5 Acceptance testing				FLSO:
	Refrigeration flaring system CMC 1119.3 Safety & effectiveness				ACO:
	Steam & hot water boilers CMC 116.3 & 1023.0				ACO:



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	MECHANICAL TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Hydronics CMC 1201.2.8 Pressure test of steam & water piping				ACO:
	Hydronics CMC 1201.3.6 Pressure test of polybutylene piping				ACO:
	Hydronics CMC 1203.2 Pressure test of piping prior to embedding in concrete				ACO:
	Process piping CMC 1406.2 Pressure test				ACO:
	Ventilation system CMC 407.3.1 Table 4-A areas tested and balanced				ACO:
	Negative & positive pressure isolation rooms CMC 416.4 Alarm system test				ACO:
	Negative & positive pressure isolation rooms CMC 417.0 Mechanical system tested & balanced				ACO:
	PLUMBING TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Potable water installations CPC 609.9, CBC 423A.5 & AWWA C651-92 Bacteriological examination/water purity test				ACO:
	Medical gas and vacuum CBC 423A.1, NFPA 99- 1999 Gas and vacuum system performance testing				ACO:
	Medical gas and vacuum CBC 423A.1, NFPA 99- 1999 Gas and vacuum system verification testing				ACO:
	Existing sewers & drains CPC 101.4.1.1.2 Tested for conformance with reqmnts. for new work				ACO:
	Water supply system CPC 103.5.1.1 & 609.4 Pressure tested prior to covering or concealment				ACO:
	Plumbing or drainage systems CPC 103.5.1.3 & 712.0 Water or air tested prior to use, covering or concealment				ACO:
	Building sewer CPC 103.5.1.3 & 723.0 Water or air tested prior to use, covering or concealment				ACO:
	Storm drain piping CPC 1109 Water or air tested prior to use, covering or concealment				ACO:
	Fuel piping CPC 1204.3.2 Air, CO <sub>2</sub> or nitrogen tested prior to use, covering or concealment				ACO:
	Private sewer disposal system CPC 103.5.1.3 Tested prior to use, covering or concealment				ACO:
	Protectively coated pipe CPC 103.5.3.4 Tested for voids, damage & imperfections				ACO:
	Joints and connections CPC 103.5.3.5 Pressure tested for gas and water tightness				ACO:
	Defective systems CPC 103.5.5.1 Air test of defective drainage & plumbing systems				ACO:
	Moved structures CPC 103.5.5.2 All parts of plumbing systems tested				ACO:
	Retesting CPC 103.5.6.2 Retest after corrections				ACO:
	Backflow prevention assembly CPC 603.3.3 Assembly tested				ACO:



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B	TESTS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	FIRE PROTECTION EQUIPMENT TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Fire alarm CFC 1001.4, NFPA 72-1999 7-1.6 Acceptance and reacceptance testing				FLSO:
	Fire & smoke dampers CFC 1001.4 Acceptance testing				FLSO:
	Duct detectors CFC 1001.4, NFPA 72-1999 7-1.6 Differential pressure test				FLSO:
	Smoke control system CFC 1001.4, CBC 905.15 Acceptance testing				FLSO:
	Fire sprinkler CFC 1001.4, NFPA 13-1999 Ch. 10 Acceptance testing – Aboveground piping				FLSO:
	Fire sprinkler CFC 1001.4, NFPA 13-1999 Ch. 10 Acceptance testing – Underground piping				FLSO:
	Standpipe system CFC 1001.4, NFPA 14-2000 Acceptance testing – Aboveground piping				FLSO:
	Standpipe system CFC 1001.4, NFPA 14-2000 Acceptance testing – Underground piping				FLSO:
	Private fire mains CFC 1001.4, NFPA 24-1995 Acceptance testing				FLSO:
	Fire pumps CFC 1001.4, NFPA 20-1999 Acceptance testing				FLSO:
	Wet chm extng sys. CFC 1001.4, NFPA 17A-1998 Ch 4 Acceptance testing				FLSO:
	Clean agent extng sys. CFC 1001.4, NFPA 2001- 2000 Acceptance testing				FLSO:
	CO <sub>2</sub> extng system CFC 1001.4, NFPA 12-1998 Acceptance testing				FLSO:
	Dry chem extng sys CFC 1001.4, NFPA 17-1998 Ch 8 Acceptance testing				FLSO:
	Halon 1301 extng sys CFC 1001.4, NFPA 12A-1997 Acceptance testing				FLSO:
	OTHER TESTS	N/A	RESPONSIBLE FIRM OR INDIVIDUAL	IOR	FDD
	Underground fuel tank CFC 7902.6.16 Pressure testing				FLSO:
	Underground fuel storage tank CFC 7902.6.15.4 Testing of corrosion protection				FLSO:
	Liquid fuel piping CFC 7901.11.10 Pressure testing				FLSO:



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C	SPECIAL INSPECTIONS – DOCUMENTATION / CERTIFICATION REQUIRED			CONSTRUCTION VERIFICATION	OFFICE USE ONLY CONST ACCEPTANCE
	STRUCTURAL INSPECTIONS	N/A	RESPONSIBLE INDIVIDUAL	IOR	FDD
	Foundation CBC 1809A.6 Installation of piles				DSE:
	Foundation CBC 1809A.7.1 Cast in place belled caissons				DSE:
	Foundation CBC 3301.1 & 1701A.5, item 13 Fill for structures				DSE:
	Concrete CBC 1701A.5, item 1 Placement of concrete				DSE:
	Concrete CBC 1701A.5, item 2 Bolts installed in concrete				DSE:
	Concrete CBC 1701A.5, item 4 Reinforcing steel and prestressing steel				DSE:
	Concrete CBC 1701A.5, item 3 Special moment-resisting frame				DSE:
	Reinforced gypsum concrete CBC 1701A.5 item 8				DSE:
	Concrete CBC 1929A.4 Batch plant inspection				DSE:
	Concrete CBC 1929A.9.1 Prestressed concrete				DSE:
	Concrete CBC 1929A.10 Pneumatically placed concrete (shotcrete)				DSE:
	Concrete CBC 1701A.5, item 9 Insulating concrete				DSE:
	Concrete CBC 1929A.12 Welding of reinforcing bars				DSE:
	Concrete CBC 1704A Precast panels				DSE:
	Concrete CBC 1704A GFRC panels				DSE:
	Masonry CBC 2105A.7 Laying and grouting				DSE:
	Masonry CBC 2104A.6.1.1.2 & 2104A.6.1.2.2 Low lift grout				DSE:
	Masonry CBC 2104A.6.1.1.3 & 2104A.6.1.2.3 High lift grout				DSE:
	Steel CBC 2231A.4 Steel shop fabrication				DSE:
	Steel CBC 2231A.5 Automatic end-welded stud				DSE:
	Steel CBC 2231A.5 Shop and field welding				DSE:
	Steel CBC 2231A.6 High strength bolt installation				DSE:
	Wood CBC 2337A.1 Glue laminated timber				DSE:
	Wood CBC 2337A.2 Installation of timber connectors				DSE:
	Wood CBC 2337A.3 Manufactured trusses				DSE:
	Miscellaneous CBC 1405A Veneer				DSE:
	Miscellaneous ICBO Evaluation Report Installation of expansion & epoxy anchors				DSE:
	Miscellaneous CBC 1701A.5, item 15 Epoxy injection				DSE:



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT**

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AOR: Architect of Record    CONT: Contractor or Owner/Builder    IOR: Inspector of Record    EOR: Electrical Engineer of Record    MEOR: Mechanical Engineer of Record    SEOR: Structural Engineer of Record    GEOR: Geotechnical Engineer of Record    SP INSP: Special Inspector

NOTE: Construction observation may be scheduled at specific intervals or at project milestones or a combination of both.



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# OSHDP

State of California – Health and Human Services Agency

## OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT



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Samples of test and inspection reports are: ☐ Attached ☐ Not Required

Required test and inspection reports shall be prepared and submitted to OSHPD FDD within \_\_\_\_ days of the completion of all tests and inspections.

☐ In addition to the preprinted tests and special inspections identified on this form, this program includes additional tests and special inspections as indicated:

☐ Other Tests

☐ Other Inspections

☐ See Attachment

This program has been prepared and submitted for an OSHPD 1 project. OSHPD 1 projects include all construction and remodel projects for general acute-care hospitals and acute psychiatric hospitals. OSHPD 1 projects also include construction and remodel of skilled nursing facilities and/or intermediate care facilities except those of single-story, Type V, wood or light steel-frame construction.

<b>E</b>	SUBMITTED BY:	OSHPD PLAN APPROVAL:	
	_____ Architect/Engineer of Record	_____ Name	_____ Date
	PRINT NAME:	OSHPD PERMIT APPROVAL:	
	_____ Name	_____ Date	